

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An information processing apparatus comprising:
at least one processor;
at least one memory device storing instructions, which when executed by the at least one processor, cause the at least one processor to:

- (a) cause a transfer controller to control ~~controlling means for controlling~~ transfer of data;
- (b) count a ~~counting means for counting the~~ number of times said transfer controller ~~controlling means~~ has controlled the transfer of said data;
- (c) determine ~~first determining means for determining whether the number of times counted by said counting means is at least equal to a predetermined maximum count;~~
- (d) first instructing means which, if said number of times is found at least equal to said predetermined maximum count, by said first determining means, then gives said transfer controlling means give an instruction to stop the transfer of said data;
- (e) generate ~~generating means for generating an initializing vector for use in either encrypting or decrypting said data; of which the transfer is controlled by said transfer controlling means;~~
- (f) determine ~~second determining means for determining whether an instruction to have said initializing vector supplied is given by an external apparatus; to and from which is sent and received said data of which the transfer is controlled by said transfer controlling means;~~
- (g) second instructing means which, if the instruction to have said initializing vector supplied is found given by said external apparatus; ~~second determining means, then gives said generating means~~

- ~~(i) an instruction to generate said initializing vector; while giving said counting means~~
- ~~(ii) an instruction to reset the number of times having been counted; and~~
- ~~(iii) transfer said initializing vector to said external apparatus;~~
- ~~(h) outputting means which, if the instruction to stop the transfer of said data is given, output by said first instructing means, then outputting to said external apparatus a message indicating saying that the transfer of said data is stopped;~~
- ~~(i) after said instruction to generate the initializing vector is given, determine whether said external apparatus requests a reissue of said initializing vector; and~~
- ~~(j) if the external apparatus requests the reissue of said initializing vector:
 - ~~(i) generate a reissue initializing vector;~~
 - ~~(ii) reset the number of times having been counted; and~~
 - ~~(ii) transfer said reissue initialing vector to said external apparatus.~~~~

Claim 2 (canceled).

Claim 3 (currently amended): An information processing method comprising: ~~the steps of:~~

causing a transfer controller to control ~~controlling~~ transfer of data;

counting ~~a the~~ number of times said transfer controller ~~controlling step~~ has controlled the transfer of said data;

~~firstly~~ determining whether the number of times counted ~~in said counting step~~ is at least equal to a predetermined maximum count;

if said number of times is ~~found~~ at least equal to said predetermined maximum count, ~~in said first determining step~~, then ~~firstly~~ giving ~~in said transfer controlling step~~ an instruction to stop the transfer of said data;

generating an initializing vector for use in either encrypting or decrypting said data; ~~of which the transfer is controlled in said transfer controlling step;~~

~~secondly~~ determining whether an instruction to have said initializing vector supplied is given by an external apparatus; ~~to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step;~~

if the instruction to have said initializing vector supplied is ~~found~~ given by said external apparatus; ~~in said second determining step~~, then ~~secondly~~ giving ~~in said generating step~~ an instruction to generate

(a) generating said initializing vector; ~~while giving in said counting step an instruction to reset~~

(b) resetting the number of times having been counted; and

(c) transferring said initializing vector to said external apparatus;

if the instruction to stop the transfer of said data is given, ~~in said transfer controlling step~~, then outputting to said external apparatus a message indicating ~~saying~~ that the transfer of said data is stopped;

after said instruction to generate the initializing vector is given, determining whether said external apparatus requests a reissue of said initializing vector; and

if the external apparatus requests the reissue of said initializing vector:

(a) generating a reissued initializing vector;

(b) resetting the number of times having been counted; and

(c) transferring said reissued initialing vector to said external apparatus.

Claim 4 (currently amended): A computer readable medium encoded with a program for causing a computer to carry out a procedure comprising the steps of:

causing a transfer controller to control ~~controlling~~ transfer of data;

counting a the number of times said transfer controller ~~controlling step~~ has controlled the transfer of said data;

~~firstly determining whether the number of times counted in said counting step is at least equal to a predetermined maximum count;~~

if said number of times is ~~found~~ at least equal to said predetermined maximum count, ~~in said first determining step, then firstly giving in said transfer controlling step an instruction to stop the transfer of said data;~~

generating an initializing vector for use in either encrypting or decrypting said data; ~~of which the transfer is controlled in said transfer controlling step;~~

~~secondly determining whether an instruction to have said initializing vector supplied is given by an external apparatus; to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step;~~

if the instruction to have said initializing vector supplied is ~~found~~ given by said external apparatus; ~~in said second determining step, then secondly giving in said generating step an instruction to generate~~

(a) generating said initializing vector; ~~while giving in said counting step an instruction to reset~~

(b) resetting the number of times having been counted; and

(c) transferring said initializing vector to said external apparatus;

if the instruction to stop the transfer of said data is given, ~~in said transfer controlling step, then outputting to said external apparatus a message~~ indicating saying that the transfer of said data is stopped;

after said instruction to generate the initializing vector is given, determining whether said external apparatus requests a reissue of said initializing vector; and

if the external apparatus requests the reissue of said initializing vector:

(a) generating a reissued initializing vector;

(b) resetting the number of times having been counted; and

(c) transferring said reissued initialing vector to said external apparatus.

Claim 5 (currently amended): A recording medium which records a computer-readable program for causing a computer to carry out a procedure comprising the steps of:

causing a transfer controller to control ~~controlling~~ transfer of data;

counting a the number of times said transfer controller ~~controlling step~~ has controlled the transfer of said data;

~~firstly~~ determining whether the number of times counted ~~in said counting step~~ is at least equal to a predetermined maximum count;

if said number of times is ~~found~~ at least equal to said predetermined maximum count, ~~in said first determining step, then firstly giving in said transfer controlling step~~ an instruction to stop the transfer of said data;

generating an initializing vector for use in either encrypting or decrypting said data; ~~of which the transfer is controlled in said transfer controlling step;~~

~~secondly~~ determining whether an instruction to have said initializing vector supplied is given by an external apparatus; ~~to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step;~~

if the instruction to have said initializing vector supplied is ~~found~~ given by said external apparatus; ~~in said second determining step, then secondly giving in said generating step~~ an instruction to generate

- (a) generating said initializing vector; ~~while giving in said counting step an instruction to reset~~
- (b) resetting the number of times having been counted; and
- (c) transferring said initializing vector to said external apparatus

if the instruction to stop the transfer of said data is given, ~~in said transfer controlling step, then outputting to said external apparatus a message~~ indicating saying that the transfer of said data is stopped;-

after said instruction to generate the initializing vector is given, determining whether said external apparatus requests a reissue of said initializing vector; and

if the external apparatus requests the reissue of said initializing vector:

- (a) generating a reissued initializing vector;
- (b) resetting the number of times having been counted; and
- (c) transferring said reissued initialing vector to said external apparatus.